2005250-1 ✔ ACTIVE

Power Double Lock

TE Internal #: 2005250-1

TE Internal Description: PDL 3P CAP 3.96 P/M(GWT) NAT

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors







Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **3**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Panel, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Power Positions	0
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	50 VAC, 300 VAC

Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without

Contact Type	Tab

Termination Features

Termination Method to Wire & Cable	Crimp
Wire/Cable Type	Discrete Wire
Wire Type	Stranded

Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Latches
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	PA 66

Dimensions

Panel Thickness	.8 – 2 mm[.031 – .078 in]

Usage Conditions

Operating Temperature Range	-30 – 65 °C[-22 – 149 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	GWT 750°C (Without Flame)
Agency/Standard Number	C22.2 No. 182.3, UL 1977
Agency/Standard	CNR, USR

Packaging Features

Packaging Method	Bag
Packaging Quantity	150

Other

For Use With	Contacts: 177916 or 177917, Double Lock Plate 177919-1, Plug (GWT): 368571

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Model / Part # 177907-1
POWER DBL LOCK CAP P/M 3P

Also in the Series | Power Double Lock



Connector Contacts(1)



Power Contacts(18)



Rectangular Connector Locking(14)



Rectangular Power Connectors(279)

Customers Also Bought



TE Model / Part #1-368589-6
PDL 4P CAP 3.96 D/R P/M(GWT) B



TE Model / Part #1-1744417-1
11 POS EP 2.5 HSG, GLOW WIRE



TE Model / Part #2321922-3
REAR WIRE SEAL 3PIN



TE Model / Part #2321920-3
PERIMETER SEAL PLUG HOUSING 3PIN



TE Model / Part #2324201-8
HSG,REC,FREE HANGING,GWT, DUALROW,EP2.5



TE Model / Part #2005249-2
PDL 2P CAP 3.96 P/M(GWT) RED



TE Model / Part #1-368589-4
PDL 4P CAP 3.96 D/R P/M(GWT) Y



TE Model / Part #1-1969541-4
RETAINER, TPA, DUAL ROW, EP2.5



TE Model / Part #1-2323743-0
HOUSING, PLUG, GWT, 10P, DUAL ROW, EP2.5

Documents

Product Drawings

PDL 3P CAP 3.96 P/M(GWT) NAT

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2005250-1_A_c-2005250-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2005250-1_A_c-2005250-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2005250-1_A_c-2005250-1-a.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English

UL Report

English